

Outline of source file and each compiler environment are as described below.

## [1]Outline of Source File

Main functions :

|                              |   |
|------------------------------|---|
| main()                       | :Main processing function   |
| Init()                       | :Initialization processing function                                       |
| EnvRead()                    | :Environment(specification) data read processing function for calculation |
| CalculateProcess()           | :Conversion main processing function                                      |
| CheckForce()                 | :Drive force calculation & shift-up judgement function                    |
| CalcTeMaxSp()                | :Tracking speed calculation processing function                           |
| Calculate_progress1()        | :Reference speed/acceleration speed setup function                        |
| Calculate_progress2()        | :Acceleration/deceleration flag setup function                            |
| Calculate_progress3()        | :Main calculation processing function                                     |
| Calculate_SetIDLE()          | :Idling sectional calculation processing function                         |
| Calculate_Set_Start()        | :Start sectional calculation processing function                          |
| Calculate_Start_Following()  | :Speed following process at start section                                 |
| Calculate_Set_Acceleration() | :Acceleration sectional calculation processing section                    |
| Calculate_Set_SteadyState()  | :Steady sectional calculation processing function                         |
| Calculate_Set_Deceleration() | :Deceleration sectional calculation processing section                    |
| AStrToDouble()               | :Digitalization processing function                                       |
| Trim()                       | :Strings trim function  |
| FileExists()                 | :File existence check processing function                                 |
| ReadFile()                   | :File read processing function  |
| SetDataStr()                 | :One line data setup processing function                                  |
| DeleteData()                 | :One line data deletion processing  |
| Strings()                    | :One line data acquisition processing                                     |

Please see the module specification manual of each source file for details.

## [2]Each Compiler Environment

### 1.Case of Borland C++Builder(Ver5.0/6.0)

|                 |                  |
|-----------------|------------------|
| Source file     | (c_ConvertD.cpp) |
| Executable file | (c_ConvertD.exe) |

### 2.Case of Microsoft Visual C++(Ver6/.NET)

|                         |                  |
|-------------------------|------------------|
| Each source/header file | (c_ConvertD.cpp) |
| Executable file         | (c_ConvertD.exe) |

### 3.Case of GCC(linux)

|                         |  |
|-------------------------|--|
| Compile Command         | g++ c_ConvertD_pub.cpp -o c_ConvertD_pub |
| Each source/header file | (c_ConvertD_pub.cpp)                     |
| Executable file         | (c_ConvertD_pub)                         |

### 5.Case of GCC(Win32)

Compile Command `g++ c_ConvertD_pub.cpp -o c_ConvertD_pub.exe`  
Each source/header file (c\_ConvertD\_pub.cpp)  
Executable file (c\_ConvertD\_pub.exe)

### [3]PLATFORMS

These programs are checked each operation by the following OS.

Windows XP, 2000, NT4.0

Vine Linux 2.X

### [4]USAGE of EXEC files.

Please see "instruction\_manual\_cpp.doc/pdf".

Borland C++Builder is the Product of Borland Software Corporation.

Microsoft Visual C++ is the Product of Microsoft Corporation.

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